| L Number | Hits | Search Text | DB | Time stamp |
|-------------|-------|--|-------|---------------------|
| 3 | 6 | ("3189280" "3976332" "4420279" | USPAT | 2003/07/03 |
| - | | "4533082" "5152456" "5332337").PN. | USPAT | 09:11 2003/07/03 |
| 5 | 0] | 5996902.URPN. | USPAI | 09:12 |
| 8 | 16 | (US-6464737-\$ or US-6302573-\$ or US-6182712-\$ or US-5996902-\$ or US-4556175-\$ or US-5296265-\$ or US-4560094-\$ or US-5400921-\$ or US-5992772-\$ or US-5407339-\$ or | USPAT | 2003/07/03 |
| | ; | US-6432534-\$ or US-5700492-\$ or US-4617191-\$ or US-6079968-\$ or US-4462547-\$ or US-4989554-\$).did. | | |
| 9 | 1 | (US-3179378-\$).did. | USOCR | 2003/07/03 |
| 10 | 13503 | watanabe.in. | USPAT | 2003/07/03 |
| 11 | 260 | watanabe.in. and bypass | USPAT | 2003/07/03 09:23 |
| 12 | 3 | (watanabe.in. and bypass) and vibrate | USPAT | 2003/07/03 |
| 13 | 0 | ((US-6464737-\$ or US-6302573-\$ or US-6182712-\$ or US-5996902-\$ or US-4556175-\$ or US-5296265-\$ or US-4560094-\$ or US-5400921-\$ or US-5992772-\$ or US-5407339-\$ or US-6432534-\$ or US-5700492-\$ or US-4617191-\$ or US-6079968-\$ or US-4462547-\$ or US-4989554-\$).did.) and bypass | USPAT | 2003/07/03 |
| 14 | 0 | ((US-6464737-\$ or US-6302573-\$ or US-6182712-\$ or US-5996902-\$ or US-4556175-\$ or US-5296265-\$ or US-4560094-\$ or US-5400921-\$ or US-5992772-\$ or US-5407339-\$ or US-6432534-\$ or US-5700492-\$ or US-4617191-\$ or US-6079968-\$ or US-4462547-\$ or US-4989554-\$).did.) and equalize | USPAT | 2003/07/03 |
| 15 | 139 | (239/102.1).CCLS. | USPAT | 2003/07/03 |
| 17 | 9 | ((239/102.1).CCLS.) and powder | USPAT | 2003/07/03 |
| 18 | 2 | ((239/102.1).CCLS.) and powdered | USPAT | 2003/07/03 |
| 19 | 11 | (((239/102.1).CCLS.) and powder) or (((239/102.1).CCLS.) and powdered) | USPAT | 2003/07/03 |
| 20 | 327 | (239/654).CCLs. | USPAT | 2003/07/03 |
| 21 | 2 | ((239/654).CCLS.) and bypass | USPAT | 2003/07/03 |
| 22 | 244 | (239/650).CCLS. | USPAT | 2003/07/03 |
| 23 | 3 | ((239/650).CCLS.) and bypass | USPAT | 2003/07/03 09:27 |
| 24 | 157 | (239/659).CCLS. | USPAT | 2003/07/03 |
| 25 | 0 | ((239/659).CCLS.) and bypass | USPAT | 2003/07/03 |
| 26 | 453 | (222/195).CCLS. | USPAT | 2003/07/03 |
| 27 | 8 | ((222/195).CCLS.) and bypass | USPAT | 2003/07/03 |
| 28 | 513 | (222/494).CCLS. | USPAT | 2003/07/03 |
| 29 | 6 | ((222/494).CCLS.) and bypass | USPAT | 2003/07/03 |
| 32 | 15 | 4556175.URPN. | USPAT | 2003/07/03 09:31 |

| - | 793387 | powder | USPAT; | 2003/01/29 |
|-----|--------|--|-----------|--------------|
| | | | US-PGPUB; | 08:14 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 83681 | powder and spray | USPAT; | 2003/01/28 |
| | | F | US-PGPUB; | 11:11 |
| Ī | | | EPO; JPO; | 11.11 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 3494 | (noviden and annay) and hanner | | 2002 (01 (29 |
| - | 3494 | (powder and spray) and hopper | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:12 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 95 | ((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrate | US-PGPUB; | 11:12 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 394 | ((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrating | US-PGPUB; | 11:12 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| 1 | - | | IBM TDB | |
| | 44 | //norden and empery and hammen) and | | 2002 (01 (20 |
| 1 - | 44 | ((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrates | US-PGPUB; | 11:13 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 434 | (((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrate) or (((powder and spray) and | US-PGPUB; | 11:13 |
| | | hopper) and vibrating) | EPO; JPO; | |
| | ļ | • | DERWENT; | |
| | | | IBM TDB | |
| - | 437 | (((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrates) or (((powder and spray) and | US-PGPUB; | 11:37 |
| | | hopper) and vibrate) or (((powder and | EPO; JPO; | |
| | 1 | spray) and hopper) and vibrating)) | DERWENT; | |
| | | | IBM TDB | |
| _ | 0 | 6302573.URPN. | USPAT | 2003/01/28 |
| | 1 | | ODEAL | 11:24 |
| _ | 19 | ("1971852" "2171398" "2586818" | IICDAT! | |
| | 19 | | USPAT | 2003/01/28 |
| | 1 | "2750681" "2844361" "2980138" | | 11:24 |
| | 1 | "3003752" "3136531" "3386182" | | |
| | | "3807355" "3861753" "4168913" | | |
| | | "4217127" "4440528" "4508620" | | |
| | ļ | "4747942" "4875435" "4881574" | | |
| | | "5296265").PN. | | |
| - | 6 | 5296265.URPN. | USPAT | 2003/01/28 |
| | | | | 11:30 |
| - | 5 | ("4034126" "4542043" "4556175" | USPAT | 2003/01/28 |
| | | "4724794" "4834299").PN. | | 11:31 |
| - | 6 | ("3179378" "3386182" "3913847" | USPAT | 2003/01/28 |
| | | "4002323" "4037794" "4197660").PN. | | 11:33 |
| - | 43 | ((((powder and spray) and hopper) and | USPAT; | 2003/01/28 |
| | | vibrates) or ((((powder and spray) and | US-PGPUB; | 11:37 |
| | | hopper) and vibrate) or (((powder and | EPO; JPO; | |
| | | spray) and hopper) and vibrating))) and | DERWENT; | |
| | | membrane | IBM TDB | |
| 1_ | 4 | MeMorane ("3842978" "4126945" "5579588" | | 2002/01/29 |
| | 4 | | USPAT | 2003/01/28 |
| L | L | "5911488").PN. | | 11:39 |

| , | | | | |
|----------|-----|--|-----------|------------|
| - | 30 | ("2049870" "2531245" "2540059" | USPAT | 2003/01/28 |
| | | "3578041" "3804245" "3871626" | | 11:42 |
| | | "3874431" "3899417" "4067225" | | |
| | | "4106535" "4320657" "4509568" | | |
| | | | | |
| | • | "4616152" "4640322" "4684041" | | |
| | | "4688610" "4719409" "4864876" | | |
| | | "4953643" "4974646" "4984128" | | |
| i | | "5143126" "5219008" "5287897" | | |
| | | "5366122" "5456298" "5544683" | | |
| 1 | | | | i |
| | _ | "5765607" "5826633" "5875824").PN. | | |
| - | 6 | ("3189280" "3976332" "4420279" | USPAT | 2003/01/28 |
| | | "4533082" "5152456" "5332337").PN. | | 11:46 |
| _ | 1 0 | 5996902.URPN. | USPAT | 2003/01/28 |
| | | | 1001111 | 11:48 |
| | 368 | (220 (CEA) GGT G | ****** | l l |
| - | 300 | (239/654).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 1 | //220/654) CCIC \ and mambrane | · — | 2002/01/20 |
| - | 1 | ((239/654).CCLS.) and membrane | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:54 |
| 1 | | | EPO; JPO; | |
| | ł | | DERWENT; | |
| | Í | | IBM TDB |] |
| 1_ | 5 | ((239/654).CCLS.) and diaphragm | _ | 2003/01/28 |
| 1 | 3 | (1239/034).CCD3.) and draphragm | USPAT; | |
| | 1 | | US-PGPUB; | 11:54 |
| | 1 | | EPO; JPO; | |
| | | | DERWENT; | İ |
| | | | IBM TDB | |
| | 7 | ((239/654).CCLS.) and vibrate | _ | 2002/01/20 |
| - | ′ | ((239/634).CCLS.) and Vibrate | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:54 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 6 | (((239/654).CCLS.) and membrane) or | | 2003/01/28 |
| - | • | | USPAT; | · · · |
| | | (((239/654).CCLS.) and diaphragm) | US-PGPUB; | 11:54 |
| | | | EPO; JPO; | |
| ţ | | | DERWENT; | |
| | | | IBM TDB | f |
| _ | 12 | (((239/654).CCLS.) and vibrate) or | USPAT; | 2003/01/28 |
| • | 12 | ((((239/654).CCLS.) and membrane) or | | |
| | | | US-PGPUB; | 11:57 |
| | | (((239/654).CCLS.) and diaphragm)) | EPO; JPO; | |
| | | | DERWENT; | |
| 1 | | | IBM TDB | ļ |
| - | 467 | 239/650 | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:57 |
| | | | 1 | 11.01 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 173 | (239/659).CCLS. | USPAT; | 2003/01/28 |
| | | · | US-PGPUB; | 11:58 |
| | | | EPO; JPO; | -1.00 |
| | | | | |
| | | | DERWENT; | |
| | | | IBM_TDB |] [|
| - | 216 | 239/659 | USPAT; | 2003/01/28 |
| 1 | | | US-PGPUB; | 11:58 |
| | | | EPO; JPO; | |
| | | | 1 | |
| | | | DERWENT; | <u> </u> |
| | | | IBM_TDB | |
| - | 292 | (239/650).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:58 |
| | | | EPO; JPO; | |
| | | | | |
| | | | DERWENT; | 1 |
| | | //000/c50\ | IBM_TDB | |
| - | 459 | ((239/659).CCLS.) or ((239/650).CCLS.) | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 11:59 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | | |
| | l | | IBM_TDB | |

| - | 2 | (((239/659).CCLS.) or ((239/650).CCLS.)) | USPAT; | 2003/01/28 |
|-----|------|---|-----------|--------------|
| | | and membrane | US-PGPUB; | 11:59 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 4 | (((239/659).CCLS.) or ((239/650).CCLS.)) | USPAT; | 2003/01/28 |
| 1 | | and diaphragm | US-PGPUB; | 11:59 |
| | | and diaphragm | EPO; JPO; | 11.59 |
| | | | 1 | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 9 | (((239/659).CCLS.) or ((239/650).CCLS.)) | USPAT; | 2003/01/28 |
| | | and vibrate | US-PGPUB; | 11:59 |
| | į | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 6 | ((((239/659).CCLS.) or ((239/650).CCLS.)) | USPAT; | 2003/01/28 |
| | | and membrane) or ((((239/659).CCLS.) or | US-PGPUB; | 11:59 |
| | | ((239/650).CCLS.)) and diaphragm) | EPO; JPO; | 11.35 |
| | | ((233/030):CCLD:// and draphragm/ | 1 ' | l |
| | į | | DERWENT; | |
| | 1 | ////220/650\ 0070 \ | IBM_TDB | 0000/65/55 |
| - | 14 | (((= = =) = = =) = = (= = =) = = = = = =) | USPAT; | 2003/01/28 |
| | | and vibrate) or (((((239/659).CCLS.) or | US-PGPUB; | 12:03 |
| | | ((239/650).CCLS.)) and membrane) or | EPO; JPO; | |
| | | (((((239/659).CCLS.) or ((239/650).CCLS.)) | DERWENT; | |
| | | and diaphragm)) | IBM TDB | |
| _ | 380 | (239/142).CCLS. | USPAT; | 2003/01/28 |
| | | , | US-PGPUB; | 12:04 |
| | | | | 12.03 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 67 | | IBM_TDB | |
| - | 67 | ((239/142).CCLS.) and air | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:04 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 3 | (((239/142).CCLS.) and air) and membrane | USPAT; | 2003/01/28 |
| | - | (((===,===,===== | US-PGPUB; | 12:04 |
| | | | EPO; JPO; | 12.04 |
| | | | 1 | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 9 | (((239/142).CCLS.) and air) and diaphragm | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:05 |
| | | | EPO; JPO; | |
| | 1 | | DERWENT; | |
| | | | IBM TDB | |
| - | 3 | (((239/142).CCLS.) and air) and vibrate | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:05 |
| 1 | | | EPO; JPO; | |
| | 1 | | DERWENT; | |
| | 1 | | 1 | |
| _ | 1 11 | ////230/142\ CGIS \ cmd -d-\d | IBM_TDB | 2002/01/02 |
| - | 11 | ((((239/142).CCLS.) and air) and | USPAT; | 2003/01/28 |
| | 1 | membrane) or ((((239/142).CCLS.) and air) | US-PGPUB; | 12:05 |
| | } | and diaphragm) | EPO; JPO; | |
| 1 | | | DERWENT; | |
| 1 | | | IBM TDB | |
| - | 13 | ((((239/142).CCLS.) and air) and vibrate) | USPAT; | 2003/01/28 |
| | | or (((((239/142).CCLS.) and air) and | US-PGPUB; | 12:06 |
| | | membrane) or ((((239/142).CCLS.) and air) | EPO; JPO; | |
|] : | | and diaphragm)) | DERWENT; | |
| | İ | and arapitragm// | | |
| _ | 134 | /220/546\ CCTC | IBM_TDB | 0000 (01 (00 |
| | 134 | (239/546).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:07 |
| [| | | EPO; JPO; | |
| | | · | DERWENT; | |
| | | | IBM TDB | |
| - | 1 | ((239/546).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | • • • • | US-PGPUB; | 12:08 |
| | | | EPO; JPO; | -3.00 |
| | | | DERWENT; | 1 |
| | | | · | |
| L | | | IBM_TDB | |

| - | 214 | (239/101).CCLS. | USPAT; | 2003/01/28 |
|-----|------|--|-------------------|------------|
| | | | US-PGPUB; | 12:25 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 10 | ((239/101).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | _ | US-PGPUB; | 12:30 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 269 | (239/398).CCLS. | USPAT; | 2003/01/28 |
| | 1 | (200,000,00020) | US-PGPUB; | 12:30 |
| | | | EPO; JPO; | 12.30 |
| | | | DERWENT; | |
| | | | 1 | |
| l _ | 15 | ((239/398).CCLS.) and powder | IBM_TDB USPAT; | 2002/01/28 |
| - | 13 | ((239/398).CCL3.) and powder | 1 | 2003/01/28 |
| j | | | US-PGPUB; | 12:32 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 303 | (239/533.1).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:33 |
| | | | EPO; JPO; |] |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 5 | ((239/533.1).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | • • • • • • • • • • • • • • • • • • • | US-PGPUB; | 12:34 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 262 | (239/533.13).CCLS. | USPAT; | 2003/01/28 |
| | 202 | 125,000.10,.0010. | US-PGPUB; | 12:34 |
| | | | EPO; JPO; | 12.53 |
| | | | l | |
| | 1 | | DERWENT; | |
| 1_ | 3 | //230/522 12\ CCIC \dd | IBM_TDB | 2002/01/28 |
| 1 - | 3 | ((239/533.13).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:37 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | (000/500 14) ##== | IBM_TDB | |
| _ | 91 | (239/533.14).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:41 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | l , | IBM_TDB | |
| - | 479 | (239/602).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:41 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 9 | ((239/602).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | _ | US-PGPUB; | 12:42 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | l ol | (239/Dig ((watanabe.in. and bypass) and | USPAT; | 2003/01/28 |
| | | vibrate)).CCLS. | US-PGPUB; | 12:42 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 47 | (239/Dig. ((watanabe.in. and bypass) and | USPAT; | 2003/01/28 |
| |] "' | vibrate)).CCLS. | US-PGPUB; | 12:44 |
| | | VINTUCE/ / . CCIID. | 1 | 17.44 |
| | | | EPO; JPO; | |
| | | | DERWENT; | ļ I |
| _ | 274 | /220/E06) ccts | IBM_TDB | 2002/01/00 |
| - | 2/4 | (239/596).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:45 |
| | ` | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |

| | · | | | |
|-----|------|--|------------------------|------------|
| | 3 | ((239/596).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | | US-PGPUB; EPO; JPO; | 12:46 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 1124 | (239/600).CCLS. | USPAT; | 2003/01/28 |
| | ļ | | US-PGPUB; | 12:46 |
| | | | EPO; JPO; | |
| | | | DERWENT; IBM TDB | |
| _ | 38 | ((239/600).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | ((155, 000), 002bt) and pondor | US-PGPUB; | 12:46 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 10 | ((239/600).CCLS.) and vibrate | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:46 |
| | | | EPO; JPO; DERWENT; | |
| | | | IBM TDB | |
| - | 11 | ((239/600).CCLS.) and membrane | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:47 |
| 1 | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 22 | (/220/600) CCIC) and discribes | IBM_TDB | 2003/01/20 |
| 1 - | 33 | ((239/600).CCLS.) and diaphragm | USPAT; | 2003/01/28 |
| | | | US-PGPUB; EPO; JPO; | 12:47 |
| | | | DERWENT; | |
| 1 | | | IBM TDB | |
| - | 48 | (((239/600).CCLS.) and powder) or | USPĀT; | 2003/01/28 |
| | | (((239/600).CCLS.) and vibrate) | US-PGPUB; | 12:47 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 42 | (((239/600).CCLS.) and membrane) or | IBM_TDB USPAT; | 2003/01/28 |
| | 12 | (((239/600).CCLS.) and diaphragm) | US-PGPUB; | 12:47 |
| | | ((() , , | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 90 | ((((239/600).CCLS.) and powder) or | USPAT; | 2003/01/28 |
| | | (((239/600).CCLS.) and vibrate)) or ((((239/600).CCLS.) and membrane) or | US-PGPUB; | 12:51 |
| | | (((239/600).CCLS.) and diaphragm)) | EPO; JPO; DERWENT; | |
| | | ((,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | IBM TDB | |
| - | 498 | (222/195).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 24 | ((222/195).CCLS.) and membrane | IBM_TDB USPAT; | 2003/01/29 |
| | 24 | (\222/190/.CCD3./ and membrane | USPAT; US-PGPUB; | 2003/01/28 |
| . | | | EPO; JPO; | 12.55 |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 22 | ((222/195).CCLS.) and vibrate | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 12:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 21 | ((222/195).CCLS.) and diaphragm | USPAT; | 2003/01/28 |
| | | , | US-PGPUB; | 12:53 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| _ | 115 | 1/222/10E\ CCI C \ | IBM_TDB | 2002/01/02 |
| - | 115 | ((222/195).CCLS.) and hopper | USPAT; US-PGPUB; | 2003/01/28 |
| | | | EPO; JPO; | 12.54 |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| | | | | |

| - | 44 | ((= = = , = = = , = = = = , = = = = = | USPAT; | 2003/01/28 |
|-----|------|--|-----------|--------------|
| | | (((222/195).CCLS.) and vibrate) | US-PGPUB; | 12:54 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 126 | (((222/195).CCLS.) and diaphragm) or | USPĀT; | 2003/01/28 |
| İ | | (((222/195).CCLS.) and hopper) | US-PGPUB; | 12:54 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 138 | ((((222/195).CCLS.) and membrane) or | USPAT; | 2003/01/28 |
| | 130 | (((222/195).CCLS.) and vibrate)) or | | 1 |
| | | | US-PGPUB; | 13:14 |
| | | ((((222/195).CCLS.) and diaphragm) or | EPO; JPO; | |
| | | (((222/195).CCLS.) and hopper)) | DERWENT; | |
| | _ | /#0.50.554.7# | IBM_TDB | |
| - | 5 | ("2686617" "3246805" "3305142" | USPAT | 2003/01/28 |
| | | "4059311" "4221509").PN. | | 13:03 |
| _ | 4 | 4556173.URPN. | USPAT | 2003/01/28 |
| | | | | 13:05 |
| - | 9 | ("2890838" "2901184" "3298394" | USPAT | 2003/01/28 |
| | | "3754740" "3929261" "3952956" | | 13:06 |
| | 1 | "4059311" "4172539" "4449644").PN. | | |
| _ | 5 | | USPAT | 2003/01/29 |
| | , | (2000017 3240005 3303142 "4059311" "4221509").PN. | USPAI | 2003/01/28 |
| 1_ | 1 | | TIGD? | 13:06 |
| 1 - | 3 | 4560094.URPN. | USPAT | 2003/01/28 |
| | | (000 (405) | | 13:06 |
| - | 73 | (222/406).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPÙB; | 13:16 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 569 | (222/494).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 13:16 |
| | | | EPO; JPO; | 13.10 |
| | | | | |
| | | | DERWENT; | |
| l _ | 20 | //222/404) CCIC) and | IBM_TDB | 0000 (07 (05 |
| - | 26 | ((222/494).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 13:18 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1105 | (222/185.1).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 13:18 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | • |
| | | | IBM TDB | |
| _ | 42 | ((222/185.1).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | , , , , , , , , , , , , , , , , , , , | US-PGPUB; | 13:20 |
| 1 | | | EPO; JPO; | 15.20 |
| | | | | |
| | | | DERWENT; | |
| l _ | 400 | (222 /C1) CCT C | IBM_TDB | |
| - | 423 | (222/61).CCLS. | USPAT; | 2003/01/28 |
| 1 | 1 | | US-PGPUB; | 13:20 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | [|
| | | | IBM TDB | |
| - | 14 | ((222/61).CCLS.) and powder | USPAT; | 2003/01/28 |
| | | • | US-PGPUB; | 13:26 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 15 | ("1164286" "3187401" "3650436" | USPAT | 2003/01/20 |
| | 13 | "3797709" "3913795" "4022512" | OSFAI | 2003/01/28 |
| | | | | 13:22 |
| | | | | |
| | | "4687381" "4687408" "4775267" | | |
| | - | "4942998" "5033644" "5098229").PN. | | |
| - | 5 | 5400921.URPN. | USPAT | 2003/01/28 |
| | L | | | 13:25 |

| - | 32809 | powder and lubricant | USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 13:27 |
|---|-------|---|--|---------------------|
| | 1200 | (marries and lubui such) and banna | DERWENT; IBM_TDB | 2002/01/20 |
| _ | 1388 | (powder and lubricant) and hopper | USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 |
| - | 146 | ((powder and lubricant) and hopper) and | DERWENT; IBM_TDB USPAT; US-PGPUB; | 2003/01/28 13:27 |
| | | | EPO; JPO; DERWENT; IBM TDB | 13.27 |
| - | 38 | ((powder and lubricant) and hopper) and diaphragm | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/01/28 13:27 |
| _ | 89 | ((powder and lubricant) and hopper) and deform | IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 13:28 |
| _ | 27 | ((powder and lubricant) and hopper) and | DERWENT; IBM_TDB USPAT; | 2003/01/28 |
| | | vibrate | US-PGPUB; EPO; JPO; DERWENT; IBM TDB | 13:28 |
| - | 167 | (((powder and lubricant) and hopper) and membrane) or (((powder and lubricant) and hopper) and diaphragm) | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/01/28 13:28 |
| - | 107 | (((powder and lubricant) and hopper) and deform) or (((powder and lubricant) and hopper) and vibrate) | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/01/28 13:28 |
| - | 253 | membrane) or (((powder and lubricant) and hopper) and diaphragm)) or ((((powder and lubricant) and hopper) and deform) or (((powder and lubricant) and hopper) and | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/01/28 13:29 |
| - | 1054 | vibrate)) powder adj lubricant | USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/01/28 |
| - | 46 | (powder adj lubricant) and hopper | IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; | 2003/01/28 13:34 |
| _ | 4 | (powder adj lubricant) and bin | IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 13:34 |
| - | 50 | ((powder adj lubricant) and hopper) or ((powder adj lubricant) and bin) | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 13:34 |
| - | 250 | powdered adj lubricant | DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; | 2003/01/28 13:34 |
| | | | DERWENT; IBM_TDB | |

| - | 28 | (powdered adj lubricant) and hopper | USPAT; | 2003/01/28 |
|---|----|---|-----------|------------|
| | | | US-PGPUB; | 13:35 |
| | | | EPO; JPO; | l |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 1 | (powdered adj lubricant) and bin | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 13:35 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 28 | ((powdered adj lubricant) and hopper) or | USPAT; | 2003/01/28 |
| | | ((powdered adj lubricant) and bin) | US-PGPUB; | 13:35 |
| | | | EPO; JPO; |] |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 76 | , , , , , , , , , , , , , , , , , , , | USPAT; | 2003/01/28 |
| | | ((powder adj lubricant) and bin)) or | US-PGPUB; | 13:35 |
| | | (((powdered adj lubricant) and hopper) or | EPO; JPO; | |
| | | ((powdered adj lubricant) and bin)) | DERWENT; | |
| | | - | IBM TDB | |
| - | 6 | | USPAT | 2003/01/28 |
| 1 | | "5407339" "5643630" "6036974").PN. | | 13:35 |
| - | 2 | ("4373888" "4617191").PN. | USPAT | 2003/01/28 |
| | | | | 13:39 |
| _ | 2 | ("4062914" "4238431").PN. | USPAT | 2003/01/28 |
| 1 | | | | 13:39 |
| _ | 3 | 4617191.URPN. | USPAT | 2003/01/28 |
| | | | | 13:40 |
| _ | 1 | 5700492.URPN. | USPAT | 2003/01/28 |
| | | | | 13:40 |
| - | 14 | ("0304283" "0308508" "0332494" | USPAT | 2003/01/28 |
| | | "0387002" "1171301" "1550821" | ****** | 13:41 |
| | | "2735380" "2838802" "3029752" | | 13.11 |
| | | "3158111" "3461195" "3726622" | | |
| | | "4047866" "5017122").PN. | | |
| _ | 7 | 5407339.URPN. | USPAT | 2003/01/28 |
| | , | O TO TO TO TO TO TO TO TO TO TO TO TO TO | OSIAI | 13:41 |
| _ | 0 | 9804357.URPN. | USPAT | 2003/01/28 |
| | | 300 1307 1011111 | ODIAL | 13:45 |
| _ | 2 | ("5396046").PN. | USPAT; | 2003/01/28 |
| | _ | (333310 / | US-PGPUB; | 13:46 |
| | | | EPO; JPO; | 13.40 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 14 | (US-6464737-\$ or US-6302573-\$ or | USPAT | 2003/01/28 |
| | | US-6182712-\$ or US-5996902-\$ or | 551711 | 15:05 |
| | | US-5296265-\$ or US-4556175-\$ or | | 10.00 |
| | | US-4560094-\$ or US-5400921-\$ or | | |
| | | US-5992772-\$ or US-5407339-\$ or | | |
| | | US-6432534-\$ or US-5700492-\$ or | | |
| | | US-4617191-\$ or US-6079968-\$).did. | | |
| _ | 1 | (US-3179378-\$).did. | USOCR | 2003/01/28 |
| | 1 | 100 01/00/0 9/.utu. | JJOCK | 15:05 |
| _ | 0 | ((US-6464737-\$ or US-6302573-\$ or | USPAT; | 2003/01/28 |
| | | US-6182712-\$ or US-5996902-\$ or | US-PGPUB; | 15:05 |
| | | US-5296265-\$ or US-4556175-\$ or | EPO; JPO; | 15.05 |
| | | US-4560094-\$ or US-5400921-\$ or | DERWENT; | |
| | | US-5992772-\$ or US-5407339-\$ or | · ' | |
| | | US-6432534-\$ or US-5700492-\$ or | IBM_TDB | |
| | | US-4617191-\$ or US-6079968-\$).did.) and | | |
| | | bypass | | |
| _ | o | | USPAT; | 2003/01/28 |
| | ٦ | US-6182712-\$ or US-5996902-\$ or | US-PGPUB; | 15:05 |
| | | US-5296265-\$ or US-4556175-\$ or | EPO; JPO; | 10.03 |
| | | US-4560094-\$ or US-5400921-\$ or | DERWENT; | |
| | | US-5992772-\$ or US-5407339-\$ or | | |
| | | US-6432534-\$ or US-5700492-\$ or | IBM_TDB | |
| 1 | i | US-4617191-\$ or US-6079968-\$).did.) and | | |
| | | by-pass | | |
| L | | NI Pass | | i l |

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| - | 0 | ((US-6464737-\$ or US-6302573-\$ or | USPAT; | 2003/01/28 |
|----|----------|---|------------------------|------------|
| | | US-6182712-\$ or US-5996902-\$ or | US-PGPUB; | 15:06 |
| | | US-5296265-\$ or US-4556175-\$ or | EPO; JPO; | |
| | | US-4560094-\$ or US-5400921-\$ or | DERWENT; | |
| | | US-5992772-\$ or US-5407339-\$ or | IBM_TDB | 1 |
| | | US-6432534-\$ or US-5700492-\$ or | | |
| | | US-4617191-\$ or US-6079968-\$).did.) and | | |
| | | pressure adj equalizer | | |
| - | 3446 | (239/650-689).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 15:06 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 20 | ((239/650-689).CCLS.) and bypass | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 15:06 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 18 | ((239/650-689).CCLS.) and by-pass | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 15:06 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 0 | ((239/650-689).CCLS.) and pressure adj | USPAT; | 2003/01/28 |
| | | equalizer | US-PGPUB; | 15:07 |
| | | | EPO; JPO; | |
| 1 | | | DERWENT; | |
| | <u> </u> | | IBM_TDB | |
| - | 35 | (((239/650-689).CCLS.) and bypass) or | USPAT; | 2003/01/28 |
| | | (((239/650-689).CCLS.) and by-pass) | US-PGPUB; | 15:17 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 702207 | , | IBM_TDB | |
| - | 793387 | powder | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 15:17 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 135072 | h | IBM_TDB | 2002/01/00 |
| - | 133072 | hopper | USPAT; | 2003/01/28 |
| | | | US-PGPUB; EPO; JPO; | 15:17 |
| | | | | |
| | | | DERWENT; | |
| 1_ | 18835 | powder and hopper | IBM_TDB USPAT; | 2002/01/28 |
| | 10033 | bowder and nobber | US-PGPUB; | 2003/01/28 |
| | | | EPO; JPO; | 13.10 |
| | | | DERWENT; | |
|] | | | IBM TDB | |
| 1- | 748 | (powder and hopper) and membrane | USPAT; | 2003/01/28 |
| | 740 | (bounder and Hobber) and membrane | US-PGPUB; | 15:18 |
| | | | EPO; JPO; | -0.10 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 35 | ((powder and hopper) and membrane) and | USPAT; | 2003/01/28 |
| | | bypass | US-PGPUB; | 15:18 |
| | | ** | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| - | 14 | ((powder and hopper) and membrane) and | USPAT; | 2003/01/28 |
| | | by-pass | US-PGPUB; | 15:18 |
| | | | EPO; JPO; |] |
| | | | DERWENT; | 1 |
| | | | IBM TDB | |
| - | 47 | (((powder and hopper) and membrane) and | USPAT; | 2003/01/28 |
| | | bypass) or (((powder and hopper) and | US-PGPUB; | 15:27 |
| | | membrane) and by-pass) | EPO; JPO; | |
| 1 | | | DERWENT; | |
| 1 | | | IBM TDB | I |

| - | 1952 | hopper and bypass | USPAT; | 2003/01/28 |
|---|--------|---|-----------|------------|
| | | | US-PGPUB; | 15:28 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | ļ. |
| - | 1358 | (hopper and bypass) and pressure | USPĀT; | 2003/01/28 |
| | | | US-PGPUB; | 15:28 |
| | 1 | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 233 | ((hopper and bypass) and pressure) and | USPAT; | 2003/01/28 |
| | 255 | powder | US-PGPUB; | 16:32 |
| | | powder | EPO; JPO; | 10.32 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 0 | 365038.URPN. | USPAT | 2003/01/28 |
| - | 1 | 303030.0KFM. | USPAI | |
| | 3.00 | (220/6E4) CCTC | HCDAM. | 16:31 |
| _ | 368 | (239/654).CCLS. | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 17:22 |
| | 1 | | EPO; JPO; | |
| | 1 | · | DERWENT; | |
| | 1 | | IBM_TDB | 1 |
| - | 135072 | hopper | USPAT; | 2003/01/28 |
| | | | US-PGPUB; | 17:23 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 1 | | IBM_TDB | |
| - | 43069 | hopper and pressure | USPĀT; | 2003/01/28 |
| | | | US-PGPUB; | 17:23 |
| | | | EPO; JPO; | 1 |
| | | | DERWENT; | |
| | | | IBM TDB | 1 |
| _ | 1634 | (hopper and pressure) and membrane | USPAT; | 2003/01/28 |
| | 1 | | US-PGPUB; | 17:23 |
| | | | EPO; JPO; | 1 - 1 - 1 |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 41582 | ((hopper and pressure) and membrane) | USPAT; | 2003/01/28 |
| | 11002 | vibrate | US-PGPUB; | 17:23 |
| | | Vibrace | EPO; JPO; | 17.23 |
| | | | i | |
| | | | DERWENT; | |
| _ | 7 | ///bonner and nucesume) and membrane) and | IBM_TDB | 2003/01/20 |
| _ | / | ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' | USPAT; | 2003/01/28 |
| | | vibrate) and bypass | US-PGPUB; | 17:24 |
| | | | EPO; JPO; | |
| | 1 | | DERWENT; | |
| | 1 | //haman and museums) | IBM_TDB | 2002/01/00 |
| - | 45 | , , , | USPAT; | 2003/01/28 |
| 1 | | vibrate | US-PGPUB; | 17:24 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 674 | (239/124).CCLS. | USPAT; | 2003/01/29 |
| | 1 | | US-PGPUB; | 08:14 |
| | 1 | | EPO; JPO; | |
| | 1 | | DERWENT; | |
| | 1 | | IBM_TDB | |
| - | 15 | ((239/124).CCLS.) and hopper | USPĀT; | 2003/01/29 |
| 1 | } | | US-PGPUB; | 08:15 |
| | | | EPO; JPO; | |
| | 1 | | DERWENT; | |
| | | | IBM TDB | |
| - | 2 | ((239/124).CCLS.) and bin | USPAT; | 2003/01/29 |
| | | | US-PGPUB; | 08:15 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| 1 | | | IBM TDB | [|
| L | L | l | | |

| | 15 | (((239/124).CCLS.) and hopper) or | USPAT; | 2003/01/29 |
|---|-----|---|---|------------|
| _ | 13 | (((239/124).CCLS.) and bin) | US-PGPUB; | 08:25 |
| | | (((239/124).CCLS.) and Din) | EPO; JPO; | 00.23 |
| | | | DERWENT; | |
| | | | l | |
| | | /#10770.com #204.co45# #2012026# | IBM_TDB | 2002/01/00 |
| - | 4 | ("1277269" "3246845" "3813036" | USPAT | 2003/01/29 |
| | | "3820718").PN. | | 08:24 |
| - | 553 | 239/142 | USPAT; | 2003/01/29 |
| | | | US-PGPUB; | 08:26 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM_TDB | |
| - | 36 | 239/142 and hopper | USPAT; | 2003/01/29 |
| | | | US-PGPUB; | 08:26 |
| 1 | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 6 | 239/142 and bin | USPAT; | 2003/01/29 |
| | | | US-PGPUB; | 08:26 |
| | | • | EPO; JPO; | |
| | | | DERWENT; | |
| • | | | IBM TDB | |
| _ | 39 | (239/142 and hopper) or (239/142 and bin) | USPAT; | 2003/01/29 |
| | | ** , | US-PGPUB; | 08:39 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| _ | 128 | (239/143).CCLS. | USPAT; | 2003/01/29 |
| | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | US-PGPUB; | 08:39 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | 1 | | IBM TDB | |
| _ | 2 | ("4989554").PN. | USPĀT; | 2003/01/29 |
| | 1 | , | US-PGPUB; | 14:01 |
| | | | EPO; JPO; | |
| | | | DERWENT; | |
| | | | IBM TDB | |
| | 1 | | 1 | |